

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-23 (Canceled).

Claim 24 (Original): A display device, comprising:

display elements formed in vicinity of intersections of signal lines and scan lines aligned vertically and horizontally;
sensors provided corresponding to said display elements;
A/D converters which convert output signals of said sensors into digital signals; and
a shift register which converts said digital signals into serial signals and outputs the serial signals,

wherein said shift register has:

a first shift register which converts said digital signal of m (m is an integer equal to or more than 2) bits into a first serial signal and outputs the first serial signal;
a second shift register which converts said digital signal of n (n is an integer equal to or more than 2) bits into a second serial signal and outputs the second serial signal; and
a serial signal selector which selects either of said first or second serial signal and outputs the selected signal.

Claim 25 (Previously Presented): A display device, comprising:

display elements formed in vicinity of intersections of signal lines and scan lines aligned vertically and horizontally on an insulation substrate;
sensors provided on said insulation substrate, said sensors corresponding to said display elements, each picking up an image;

A/D converters formed on said insulation substrate which convert output signals of said sensors into digital signals;

a plurality of shift registers formed on said insulation substrate which convert said digital signals into a plurality of first serial signals and output said first serial signals;

a serial signal selector formed on said insulation substrate which selects one of said plurality of first serial signals outputted from said plurality of first shift registers and outputs the selected signal; and

an S/P converter formed on a substrate different from said insulation substrate which converts the output signal of said serial signal into a plurality of second serial signals corresponding to said first serial signals.

Claim 26 (Canceled).

Claim 27 (Currently Amended): [[The]] A display device according to ~~claim 26~~, comprising:

display elements formed in vicinity of intersections of signal lines and scan lines aligned vertically and horizontally;

sensors provided corresponding to said display elements, each picking up an image;

A/D converters which convert output signals of said sensors into digital signals; and

a serial output part which converts said digital signals into a serial signal to output the serial signal;

wherein said serial output part includes:

a first shift register which converts said digital signal of m (m is an integer equal to or more than 2) bits into a first serial signal and outputs the first serial signal;

a second shift register which converts said digital signal of n (n is an integer equal to or more than 2) bits into a second serial signal and outputs the second serial signal; and
a serial signal selector which selects one of said first or second serial signal and outputs the selected signal.